

## PATENT ABSTRACTS OF JAPAN

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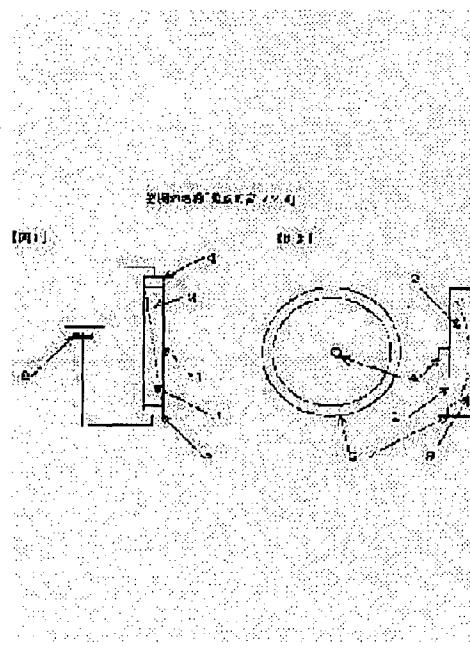
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## (54) VARIABLE FOCUS LENS

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To change an optical path passing through two kinds of fluids and to vary a focus, etc., by enclosing two kinds of fluids having characteristics of sensing an electrical field and not sensing the electrical field in a transparent container, and applying the electrical field on them from outside and inclining the density distribution of each fluid.

**SOLUTION:** The electrical field sensitive fluid (2) and the electrical field anti-sensitive fluid (3) are packed inside the lens body (1). The electrical field is applied on them from outside by a power source (6) through an electrode (4) and an electrode (5). Then, the inclination is generated in the density distribution of both fluids.



## LEGAL STATUS

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